

MISSION DATE 27 MAY 1965
 PREFLIGHT DATE 25 MAY 1965

MISSION NO. 03350
 A/C NUMBER 385

S/N'S OF EQUIPMENT

Master Recorder 770
 Slave Recorder 711
 X-Band Info Amp 9
 S-Band Info Amp 12
 L-Band Info Amp 8
 P-Band Info Amp 22
 Info Amp P/S 114 & 131
 Rambo Preamp 1005

SPECIAL HANDLING REQUIRED

HMB Preamp 1000
 HMB Preamp P/S NA
 Junction Box 1010
 Control Box 109
 30 Sec Timer 109A
 Sys XII Ant. 106
 Sys XII Amp. 101
 Sys XII P/S NA
 Sys XII Ant. 111

RECORDER CHANNELIZATION

Master Recorder Track 1 X BAND SYSTEM 9B
 Track 2 TIME CODE GEN. 1 & 3 KC SYSTEM 12B
 Track 3 S BAND
 Slave Recorder Track 1 P BAND
 Track 2 TIME CODE GEN. 1 & 3 KC
 Track 3 OSCAR SIERRA

TECHNICAL DATA

SPECIAL HANDLING REQUIRED

(Measurements with VI and XII ON)

X-BAND SYS VI: Sig gen set for 10.5 kmc, modulated 1500 pps, 5 usec pulse width
 (Signal applied at inputs to Rambo)

Tangential Sensitivity	Left - <u>56</u> dbm	Right - <u>57</u> dbm
Noise	Left <u>200</u> mv	Right <u>200</u> mv
Max Undistorted Output at Sat.	Left <u>14 VO</u> <u>22</u> dbm	Right <u>15 VO</u> <u>18</u> dbm
Calibration Signal - <u>46</u> dbm for 1 minute <u>X</u>		
Antennas Indexed <u>X</u>		

S-BAND SYS VI: Sig gen set for 3.2KMc, modulated 1000 pps, 5 usec pulse width
 (Signal applied at crystal input)

Filter assembly <u>1</u> KMc to <u>-----</u> KMc.		
Tangential Sensitivity	Left - <u>48</u> dbm	Right - <u>48</u> dbm
Noise	Left <u>200</u> mv	Right <u>200</u> mv
Max Undistorted Sig Output at Sat.	Left <u>20 VO</u> <u>0</u> dbm	Right <u>20 VO</u> <u>0</u> dbm
Calibration Signal - <u>38</u> dbm for 1 minute <u>X</u>		
Antennas Indexed <u>X</u>		

L-BAND SYS VI: Sig gen set for 750 Mc, modulated 1500 PPS, 5 usec pulse width
 (Signal applied at crystal input)

Filter Assembly <u>-----</u> Mc to <u>-----</u> Mc.		
Tangential Sensitivity	Left <u>-----</u> dbm	Right <u>-----</u> dbm
Noise	Left <u>-----</u> mv	Right <u>-----</u> mv
Max Undistorted Sig Output at Sat.	Left <u>VO</u> <u>-----</u> dbm	Right <u>VO</u> <u>-----</u> dbm
Calibration Signal - <u>-----</u> dbm for 1 minute <u>-----</u>		
Antennas Indexed <u>-----</u>		

P-BAND SYS VI: Sig gen set for 750 Mc, modulated 1000 PPS, 5 usec pulse width
 (Signal applied at input to HMB preamp)

Tangential Sensitivity	<u>93</u> dbm	
Noise	<u>130</u> mv	
Max Undistorted Sig Output at Sat.	<u>15 VO</u> <u>58</u> dbm	
Calibration Signal - <u>53</u> dbm for 1 minute <u>-----</u>		
Antenna Indexed <u>X</u>		

SPECIAL HANDLING REQUIRED

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SYSTEM XII Sig Gen set for 3800MC, Test Modulator set for scan period of 64MS, group length of 11 pulses (Sensitivity measured during bench check; operational check made on ramp with test antenna

Trigger radiating into System XII antennas)

~~Threshold~~ Sensitivity - 24 dbm

Threshold Sensitivity - dbm

SPECIAL HANDLING REQUIRED

Check for proper operation: LO PRF green light ok, HI PRF red light ok

Pilots Audio Tones ok, Correct Azimuth indications ok

Calibration signal - 0 dbm, 60 sec. 1500 pps ok, 30 sec. 1000 pps ok

CHECK LIST

1. 1 KC and 3 KC tones present on Track 2 of Master Recorder in left position of antenna selector switch X.
2. 1 KC and 3 KC tones present on Track 2 of Slave Recorder in left position of antenna selector switch X.
3. Times switching frequency OK? ok.
4. Flight Clearance: Hatch hookup X Systems junction box circuit breakers X.

Initials JS

POSTFLIGHT REMARKS

1. RECORDER PERFORMANCE Master: SATISFACTORY

Slave: SATISFACTORY

2. SPOT CHECK OF INDIVIDUAL BAND PERFORMANCE:

A. X-BAND: LIGHT

B. S-BAND: HEAVY

C. L-BAND: DISABLED

D. P-BAND: HEAVY

SECRET

MISSION DATA FLIGHT LOG

SPECIAL HANDLING REQUIRED

EVENT

TIME

COMMENT

T.O.	0008Z	
T.O.L.	0458Z	
AC GEN ON	0002Z	
AC GEN OFF	0420Z	
TIME CODE GEN. ON	0004Z	
SYSTEM 6 ON	0002Z	
SYSTEM 6 OFF	0458Z	
SYSTEM 6 SWITCH POSITIONS		
RT.	0008Z	
BOTH	0143Z	

Initials JL